

DERWENT- 1985-027436

ACC-NO:

DERWENT- 198505

WEEK:

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TITLE: Electrically conductive adhesive with high shear stress - contains polymer having polar base, **epoxy** acrylate resin(s) (meth)acrylic monomer organic hydroperoxide, amino cpds and e.g. carbon black

PATENT-ASSIGNEE: YOKOHAMA RUBBER CO LTD[YOKO]

PRIORITY-DATA: 1983JP-0094930 (May 31, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59221371 A	December 12, 1984	N/A	012	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 59221371A	N/A	1983JP-0094930	May 31, 1983

INT-CL (IPC): C08K003/04, C09J003/12 , C09J007/02 , H01B001/24

ABSTRACTED-PUB-NO: JP 59221371A

BASIC-ABSTRACT:

Adhesives are obtd. by impregnating, spread-coating or laminating a compsn. consisting of (a), (b), (c), (d), (e) and (f) components in/on strand-mats, surface-mats, cloths, nonwoven fabrics or cheesecloths, which are obtd. from glass, cpd.

of glass and organic fibres, organic fibres of carbon fibres. (a) is opt. mixt. of polymer(s) having polar base selected from acrylonitrile-butadiene copolymer; acrylonitrile-butadiene copolymer having carboxyl; acrylic rubber; urethane rubber; chloroprene rubber; chlorosulphonic polyethylene; EVA copolymer, ethylene-(meth)acrylic acid copolymer; thermoplastic polyurethane; satd. polyester and nylon; (b) 1 or mixt. of epoxy acrylate resin(s); (c) acrylic or methacrylic monomer having more than 2 different functional gps. and/or of formula $H_2C=CR_1COOR_2$ (R_1 is H or CH_3 ; R_2 is 1-18C alkyl gp. or organic residue contg. aromatic ring or heterocyclic ring); (d) organic hydroperoxides; (e) amino cpds. contg. imidazoles or at least 1 tert. amino cpd.; and (f) at least 1 or more of carbon black, ketchen black, lamp black, acetylene black or graphite, each of which has surface area of 125-260 m²/g by N₂ absorption method and DBP oil absorbing amount of 100-200 cc/100 g, and or less than 200 mesh-fine powder of at least 1 of cut fibre of carbon fibres, Al, Ni, Co or Zn.

USE/ADVANTAGE - The adhesives are used for adhering metals, papers, plastics, inorganic materials, and even for the surface attached with some residual oil. It has high shearing stress and bending strength after heat-curing treatment and less electric resistance. It can be used for electrodeposition and prevent generation and increase of rust.

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A18 A28 A81 G03 X12

CPI- A04-B01; A04-F01; A04-G01E; A05-E01; A05-G01E1; A08-M09;
CODES: A08-R03; A10-E07B; A10-E12; A12-A05; G03-B02B; G03-B02D;
G03-B02E; G03-B04;

EPI- X12-D01X;
CODES:

Basic Abstract Text - ABTX (1):

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rubber; chloroprene rubber; chlorosulphonic polyethylene; EVA copolymer, ethylene-(meth)acrylic acid copolymer; thermoplastic polyurethane; satd. polyester and nylon; (b) 1 or mixt. of epoxy acrylate resin(s); (c) acrylic or methacrylic monomer having more than 2 different functional gps. and/or of formula $H_2C=CR_1 COOR_2$ (R_1 is H or CH_3 ; R_2 is 1-18C alkyl gp. or organic residue contg. aromatic ring or heterocyclic ring); (d) organic hydroperoxides; (e) amino cpds. contg. imidazoles or at least 1 tert. amino cpd.; and (f) at least 1 or more of carbon black, ketchen black, lamp black, acetylene black or graphite, each of which has surface area of 125-260 m²/g by N₂ absorption method and DBP oil absorbing amount of 100-200 cc/100 g, and or less than 200 mesh-fine powder of at least 1 of cut fibre of carbon fibres, Al, Ni, Co or Zn.

Title - TIX (1):

Electrically conductive adhesive with high shear stress - contains polymer having polar base, epoxy acrylate resin(s) (meth)acrylic monomer organic hydroperoxide, amino cpds and e.g. carbon black

Standard Title Terms - TTX (1):

ELECTRIC CONDUCTING ADHESIVE HIGH SHEAR STRESS CONTAIN
POLYMER POLE BASE EPOXY ACRYLATE RESIN METHO ACRYLIC
MONOMER ORGANIC HYDROPEROXIDE AMINO COMPOUND CARBON
BLACK